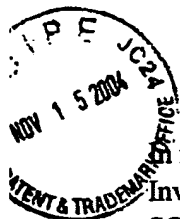


JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Ex re Application

Inventors: Brian K. Tanner

SC/Serial No.: 10/629,402

Confirm. No.: 7213

Filed: July 28, 2003

Title: APPARATUS FOR SPINDLE BEARING
FRICTION ESTIMATION FOR RELIABLE DISK
DRIVE STARTUP

PATENT APPLICATION

Art Unit: 2837

Examiner: Miller, Patrick L.

Customer No. 23910

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on
November 11, 2004

Thomas A. Ward (Attorney Signature)
Thomas A. Ward, Reg. 35,732
Signature Date: November 11, 2004

RESPONSE TO OFFICE ACTION UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed August 11, 2004, please amend the above-identified application as follows.

Amendments

In the Claims:

Please cancel claims 5, 6, 17 and 22, and amend claims 1-4, 7, 9, 12, 16, 18, 19, 23-27 and 31-33 as shown in the listing of claims beginning of the following page.

- 1 -

Attorney Docket No.: PANAP-01066US2
taw/PANAP/1066US2/1066us2.107.wpd